

Appl. No. 10/656,021
Amdt. dated October 15, 2004
Reply to Office action of September 28, 2004

REMARKS/ARGUMENTS

RESTRICTION/ELECTION REQUIREMENT

Applicant received the Restriction/Election Requirement of September 28, 2004, in which the Examiner responded to Applicant's Response of September 10, 2004, and further clarified his election requirement. Applicant files the instant response.

As stated in his first Response, these elections are not admissions by the Applicant that the claims are limited to the elected species, but instead, these elections are made as required by the Examiner to expedite prosecution. All of claims 1-5 and 17-19 are generic to the elected species.

For clarity, Applicant has used the Examiner's section numbering system in responding to the Examiner's concerns and requirements (e.g., I., II., III. 1.)

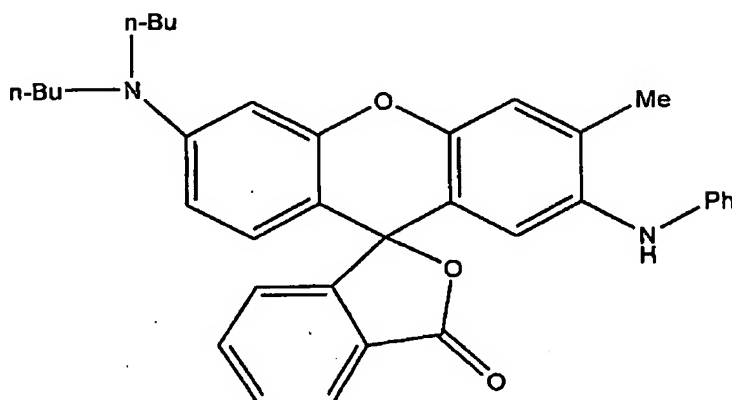
I. With response to the Examiner's statements regarding Applicant's use of the term "compound," Applicant has amended claims 1-5 to recite a "composition" rather than a compound. Applicant hopes that this amendment removes any concerns the Examiner has regarding the Applicant's use of the term "compound." No substantive change in the scope of the claims is intended.

With respect to the Applicant's use of the term "precursor," Applicant has amended claim 2 to recite the "cured matrix and uncured matrix" rather than the "matrix and matrix precursor." Applicant respectfully believe that he has overcome the Examiner's objection to use of the term "precursor." No substantive change in the scope of the claims is intended.

With respect to the Applicant's use of the term "derivative," Applicant submits that the term "derivative" has a meaning to one of ordinary skill in the art, namely, "an organic compound containing a structural radical similar to that from which it is derived, e.g., benzene derivatives containing the benzene ring." Grant, Julius, ed., HACKH'S CHEMICAL DICTIONARY 203 (1969) (attached as Exhibit A). Thus, Applicant believes the use of the term "derivative" in the claims is proper.

II. With respect to the elected color former "2'-anilino-3'-methyl-6'-(dibutylamino) fluoran," the chemical structure, as set out in Formula 7 of the application is:

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For the purposes of this election, the 2'-anilino-3'-methyl-6'-(dibutylamino) fluoran may be uniformly distributed in the matrix.

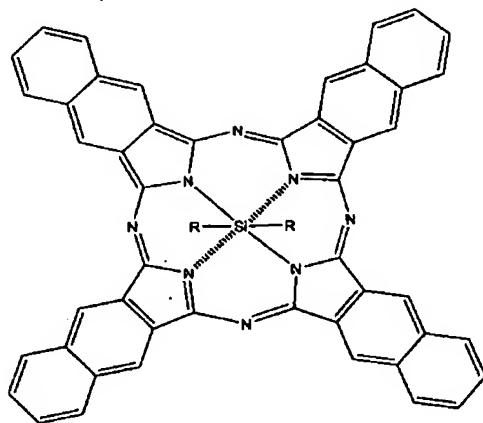
III. 1. The Examiner has stated that "many possible chemical ingredients of matri[c]es" are broadly disclosed in the art and that "Applicant is required ... to elect a single disclosed chemical ingredient species or matri[c]es for an initiation of a search... . Applicant is requested and required to show or provide the exact chemical structure of the elected chemical ingredient species... ." Applicant originally elected the species of ultraviolet curable acrylates. Applicants respectfully assert that the recitation of an exact chemical structure is neither necessary nor proper. The composition of the matrix, in and of itself, is not critical to the present invention. Additionally, the matrices disclose by the Applicant in the present application are purchased from third parties and their compositions are proprietary. For example, page 1 of the MSDS for Sartomer CN294 discloses only that it contains acrylated polyester oligomers, acrylic esters, and low viscosity acrylic oligomers (attached as Exhibit B). It does not disclose which oligomers and esters are present nor in what amount. Thus, for at least this reason, Applicant believes that his election of ultraviolet curable acrylates is proper and sufficient.

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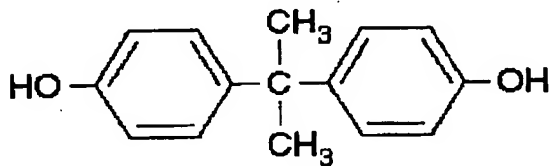
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III. 2. With respect to Applicant's election of silicon 2,3 naphthalocyanine bis(trihexylsilyoxide), the chemical structure, as set forth in the application, is as follows:



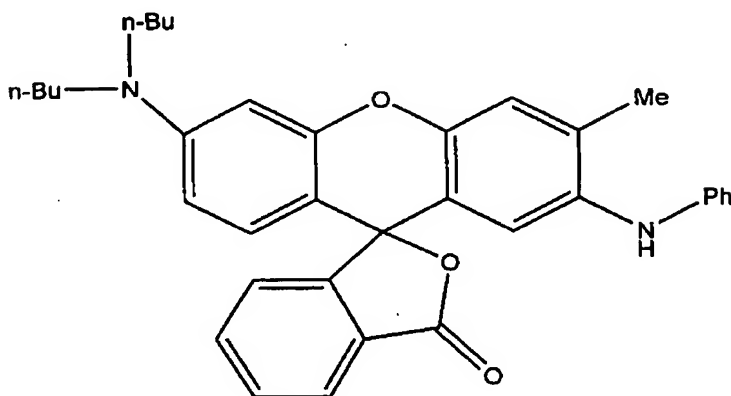
where R = $\text{--O--Si--(CH}_2\text{(CH}_2\text{)}_4\text{CH}_3\text{)}_3$. This antenna absorbs laser radiation.

III. 3. and 4. With respect to the activator, both uniformly distributed and soluble, the chemical structure of Applicant's previously elected activator, bisphenol A, is set forth below:



III. 5. and 6. With respect to the elected color former "2'-anilino-3'-methyl-6'-(dibutylamino) fluoran," the chemical structure, as set out in Formula 7 of the application is:

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CONCLUSION

Applicant believes he has fully responded to the instant Restriction and/or Election Requirement. Applicant respectfully requests that the Examiner examine the case and a timely Notice of Allowance be issued in this case.

It is believed that no extensions of time or fees are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a); and any fees required (including fees for net addition of claims) are hereby authorized to be charged to Hewlett-Packard Development Company's Deposit Account No. 08-2025.

Respectfully submitted,

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